

# Kazushi Kanoda

## List of Publications by Year in descending order

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118  
papers

7,825  
citations

94433

37  
h-index

51608

86  
g-index

119  
all docs

119  
docs citations

119  
times ranked

4037  
citing authors

#	ARTICLE	IF	CITATIONS
1	<a href="#">Dimer-Driven BEC-BCS Crossover in a Doped Spin Liquid Candidate <math>\hat{\rho}</math>-BEDT-TTF</a> Physical Review X, 2022, 12, .	8.9	9
2	Topological Excitations in Neutral Ionic Transition Systems. Symmetry, 2022, 14, 925.	2.2	1
3	Terahertz-field-induced polar charge order in electronic-type dielectrics. Nature Communications, 2021, 12, 953.	12.8	9
4	Interacting chiral electrons at the 2D Dirac points: a review. Reports on Progress in Physics, 2021, 84, 036502.	20.1	15
5	Fate of soliton matter upon symmetry-breaking ferroelectric order. Physical Review B, 2021, 103, .	3.2	2
6	Gapped magnetic ground state in quantum spin liquid candidate $\hat{\rho}$ -(BEDT-TTF) <sub>2</sub> Cu <sub>3</sub> (CN) <sub>3</sub> . Science, 2021, 372, 276-279.	12.6	38
7	Enhanced lattice fluctuations prior to a nonmagnetic ferroelectric order in an ionic spin-chain system. Physical Review B, 2021, 104, .	3.2	1
8	Single-Component Molecular Conductors Multi-Orbital Correlated f-d Electron Systems. Bulletin of the Chemical Society of Japan, 2021, 94, 2540-2562.	3.2	8
9	Emergence of unconventional spin glass-like state in $\hat{\rho}$ -(BEDT-TTF) <sub>2</sub> Cu <sub>3</sub> (CN) <sub>3</sub> spin liquid. Physical Review Letters, 2021, 127, 197002.	3.2	1
10	Phase Diagram for Light-Induced Superconductivity in $\hat{\rho}$ -(BEDT-TTF) <sub>2</sub> Cu <sub>3</sub> (CN) <sub>3</sub> . Physical Review Letters, 2021, 127, 197001.	7.8	13
11	Anomalous 2D-Confined Electronic Transport in Layered Organic Charge-Glass Systems. Physical Review Letters, 2020, 125, 146601.	7.8	4
12	Photomolecular High-Temperature Superconductivity. Physical Review X, 2020, 10, .	8.9	59
13	New insights into the structural properties of $\hat{\rho}$ -(BEDT-TTF) <sub>2</sub> Ag <sub>2</sub> (CN) <sub>3</sub> spin liquid. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2020, 76, 581-590.	1.1	1
14	Quantum Disorder of an Antiferromagnetic Order by Quenched Randomness in an Organic Mott Insulator. Physical Review Letters, 2020, 124, 117204.	7.8	10
15	Electronic Griffiths Phase in Disordered Mott-Transition Systems. Physical Review Letters, 2020, 124, 046404.	7.8	23
16	Chiral excitonic instability of two-dimensional tilted Dirac cones. Physical Review Research, 2020, 2, .	3.6	11
17	Magnetic excitations in an ionic spin-chain system with a nonmagnetic ferroelectric instability. Physical Review Research, 2020, 2, .	3.6	4
18	Multiorbital antiferromagnetic metal induced by intramolecular self-doping. Physical Review Research, 2020, 2, .	3.6	2

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19	Superfluid density versus transition temperature in a layered organic superconductor $\hat{\rho}_a^{\sim}(\text{BEDT-TTF})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$ under pressure. Physical Review Research, 2020, 2, .	3.6	3
20	NMR evidence for strong electron correlation and antiferromagnetic order in the single-component molecular material $\hat{\rho}_a^{\sim}(\text{BEDT-TTF})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$ . Physical Review B, 2019, 100, .	3.2	2
21	Disorder unveils Mott quantum criticality behind a first-order transition in the quasi-two-dimensional organic conductor $\hat{\rho}_a^{\sim}(\text{BEDT-TTF})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$ . Physical Review B, 2019, 99, .	3.2	3
22	Variation in the nature of the neutral-ionic transition in $\hat{\rho}_a^{\sim}(\text{BEDT-TTF})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$ under pressure probed by NQR and NMR. Physical Review B, 2019, 99, .	3.2	3
23	Single-component molecular conductor $[\text{Pt}(\text{dmdt})_2]_a^{\sim}$ a three-dimensional ambient-pressure molecular Dirac electron system. Chemical Communications, 2019, 55, 3327-3330.	4.1	31
24	Strange metal from a frustration-driven charge order instability. Nature Materials, 2019, 18, 229-233.	27.5	10
25	Charge Order and Poor Glass-forming Ability of an Anisotropic Triangular-lattice System, $\hat{\rho}_a^{\sim}(\text{BEDT-TTF})_2\text{TlCo}(\text{SCN})_4$ , Investigated by NMR. Journal of the Physical Society of Japan, 2019, 88, 034705.	1.6	1
26	Topological charge transport by mobile dielectric-ferroelectric domain walls. Science Advances, 2019, 5, eaax8720.	10.3	11
27	Spin-lattice decoupling in a triangular-lattice quantum spin liquid. Nature Communications, 2018, 9, 1509.	12.8	17
28	Quasi-continuous transition from a Fermi liquid to a spin liquid in $\hat{\rho}_a^{\sim}(\text{ET})_2\text{Cu}_2(\text{CN})_3$ . Nature Communications, 2018, 9, 307.	12.8	36
29	Evidence for solitonic spin excitations from a charge-lattice-coupled ferroelectric order. Science Advances, 2018, 4, eaau7725.	10.3	11
30	$(\text{BEDT-TTF})_2\text{Cu}_2(\text{CN})_3$ Spin Liquid: Beyond the Average Structure. Crystals, 2018, 8, 158.	2.2	14
31	Mott Transition Coupled to Molecular Motion in a Quasi-Two-Dimensional Organic Material. Journal of the Physical Society of Japan, 2018, 87, 094707.	1.6	1
32	Revisited phase diagram on charge instability and lattice symmetry breaking in the organic ferroelectric $\hat{\rho}_a^{\sim}(\text{BEDT-TTF})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$ . Physical Review B, 2018, 98, .	3.2	19
33	In Which Directions Do Spins Point? Unexpected Orientations and Unusual Turns in an Organic Mott Insulator. JPSJ News and Comments, 2018, 15, 03.	0.1	1
34	Single-component molecular material hosting antiferromagnetic and spin-gapped Mott subsystems. Physical Review B, 2017, 95, .	3.2	6
35	Electronic crystal growth. Science, 2017, 357, 1378-1381.	12.6	28
36	Spin-gapped Mott insulator with the dimeric arrangement of twisted molecules $\text{Zn}(\text{tmdt})_2$ . Physical Review B, 2017, 95, .	3.2	5

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37	Mott transition by an impulsive dielectric breakdown. <i>Nature Materials</i> , 2017, 16, 1100-1105.	27.5	49
38	Slow dynamics of electrons at a metal-Mott insulator boundary in an organic system with disorder. <i>Science Advances</i> , 2017, 3, e1601594.	10.3	22
39	Anomalous spin correlations and excitonic instability of interacting 2D Weyl fermions. <i>Science</i> , 2017, 358, 1403-1406.	12.6	62
40	Resonant inelastic x-ray scattering probes the electron-phonon coupling in the spin liquid $\beta$ -(BEDT-TTF) <sub>2</sub> Cu <sub>2</sub> Physical Review B, 2017, 96, .	3.2	10
41	Quantum spin liquid states. <i>Reviews of Modern Physics</i> , 2017, 89, .	45.6	904
42	Anomalous metallic behaviour in the doped spin liquid candidate $\beta$ -(ET) <sub>4</sub> Hg <sub>2</sub> Br <sub>8</sub> . <i>Nature Communications</i> , 2017, 8, 756.	12.8	17
43	Antiferromagnetic Mott insulating state in the single-component molecular material Pd(tmdt) <sub>2</sub> . <i>Physical Review B</i> , 2017, 96, .	3.2	6
44	Quantum criticality in an organic spin-liquid insulator $\beta$ -(BEDT-TTF) <sub>2</sub> Cu <sub>2</sub> (CN) <sub>3</sub> . <i>Nature Communications</i> , 2016, 7, 13494.	12.8	36
45	Electrons Ride on a d-wave Through Pairing in a BETS Superconductor. <i>JPSJ News and Comments</i> , 2016, 13, 06.	0.1	0
46	Transition from a Metal to a Massless-Dirac-Fermion Phase in an Organic Conductor Investigated by <sup>13</sup> C NMR. <i>Journal of the Physical Society of Japan</i> , 2016, 85, 073710.	1.6	2
47	Fluctuation Spectroscopy Analysis Based on the Duttam-Dimon-Horn Model for the Charge-Glass System $\beta$ -(BEDT-TTF) <sub>2</sub> CsZn(SCN) <sub>4</sub> . <i>Journal of the Physical Society of Japan</i> , 2016, 85, 123702.	1.6	7
48	Spin excitations in the quasi-two-dimensional charge-ordered insulator $\beta$ -(BEDT-TTF) <sub>2</sub> Cu <sub>2</sub> probed via Raman scattering. <i>Physical Review B</i> , 2016, 94, .	3.2	16
49	Electronic states and molecular dynamics of single-component molecular conductors		

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55	Electrical Transport in the Quasi-Two-Dimensional Ionic Mott Insulator M2P-TCNQF4 under High Pressures. Journal of the Physical Society of Japan, 2015, 84, 104702.	1.6	0
56	Pressure-Induced Mott Transition in an Organic Superconductor with a Finite Doping Level. Physical Review Letters, 2015, 114, 067002.	7.8	46
57	Quantum criticality of Mott transition in organic materials. Nature Physics, 2015, 11, 221-224.	16.7	101
58	Electron transport in TTF-CA under High pressures. Physica B: Condensed Matter, 2015, 460, 83-87.	2.7	8
59	Quantum Spin Liquid Emerging from Antiferromagnetic Order by Introducing Disorder. Physical Review Letters, 2015, 115, 077001.	7.8	61
60	Anisotropic charge dynamics in the quantum spin-liquid candidate $\hat{A}^{\sim}$ Cu <sub>2</sub> CN <sub>2</sub> . Physical Review B, 2014, 90, .	3.2	56
61	Emergence of nonequilibrium charge dynamics in a charge-cluster glass. Physical Review B, 2014, 89, .	3.2	29
62	Ultrasonic investigation of the transition at 6 K in the spin-liquid candidate $\hat{A}^{\sim}$ -(BEDT-TTF) <sub>2</sub> Cu. Physical Review B, 2014, 89, .	3.2	23
63	Evidence of Andreev bound states as a hallmark of the FFLO phase in $\hat{A}^{\sim}$ -(BEDT-TTF) <sub>2</sub> Cu(NCS) <sub>2</sub> . Nature Physics, 2014, 10, 928-932.	16.7	140
64	Pressure-temperature phase diagram of a charge-ordered organic conductor studied by <sup>13</sup> C NMR. Physical Review B, 2014, 90, .	3.2	1
65	Systematic Variations in the Charge-Glass-Forming Ability of Geometrically Frustrated $\hat{A}^{\sim}$ -(BEDT-TTF) <sub>2</sub> X <sub>2</sub> Organic Conductors. Journal of the Physical Society of Japan, 2014, 83, 083602.	1.6	27
66	Charge-cluster glass in an organic conductor. Nature Physics, 2013, 9, 419-422.	16.7	81
67	NMR evidence for antiferromagnetic transition in the single-component molecular system [Cu(tmdt) <sub>2</sub> ] <sub>2</sub> . Physical Review B, 2012, 85, .	3.2	9
68	Recent Topics of Organic Superconductors. Journal of the Physical Society of Japan, 2012, 81, 011004.	1.6	106
69	Electron correlations in the quasi-two-dimensional organic conductor $\hat{A}^{\sim}$ -(BEDT-TTF) <sub>2</sub> Cu. Physical Review B, 2012, 85, .	3.2	8
70	Mott Physics in Organic Conductors with Triangular Lattices. Annual Review of Condensed Matter Physics, 2011, 2, 167-188.	14.5	212
71	Magnetic and non-magnetic phases of a quantum spin liquid. Nature, 2011, 471, 612-616.	27.8	155
72	study on the charge-disproportionated conducting state in the quasi-two-dimensional organic conductor $\hat{A}^{\sim}$ -(BEDT-TTF) <sub>2</sub> Cu. Physical Review B, 2012, 85, .	3.2	27

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73	Charge-Lattice-Coupled Quantum Fluctuations in DM-TTFâ€“2,6-QBr2Cl2. Journal of the Physical Society of Japan, 2010, 79, 043709.	1.6	4
74	13C NMR Study on Zero-Gap State in the Organic Conductor Î±-(BEDT-TTF)2I3 under Pressure. Journal of the Physical Society of Japan, 2010, 79, 063703.	1.6	15
75	Pressure-induced superconductivity and Mott transition in spin-liquid<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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91	Depressed charge gap in the triangular-lattice Mott insulator $\hat{\rho}^{\pm}(\text{ET})_2\text{Cu}_2(\text{CN})_3$ . <i>Physical Review B</i> , 2006, 74, .	3.2	55
92	Unconventional critical behaviour in a quasi-two-dimensional organic conductor. <i>Nature</i> , 2005, 436, 534-537.	27.8	272
93	Drastic cooling rate dependence of thermal anomaly associated with the superconducting transition in $k\text{-(BEDT-TTF)}_4\text{Hg}_2.89\text{Br}_8$ . <i>Journal of Thermal Analysis and Calorimetry</i> , 2005, 81, 591-594.	3.6	8
94	Anomalous enhancement of electronic heat capacity in the organic conductors $\hat{\rho}^{\pm}(\text{BEDT}^{\pm}\text{TTF})_4\text{Hg}_3\hat{\Gamma}\text{X}_8$ ( $\text{X}=\text{Br}, \text{Cl}$ ). <i>Physical Review B</i> , 2005, 71, .	3.2	22
95	Collapse of the charge order in $(\text{Di}^{\pm}\text{DCNQI})_2\text{Ag}$ by dimensional crossover. <i>Physical Review B</i> , 2005, 72, .	3.2	13
96	Mott Transition from a Spin Liquid to a Fermi Liquid in the Spin-Frustrated Organic Conductor $\hat{\rho}^{\pm}(\text{ET})_2\text{Cu}_2(\text{CN})_3$ . <i>Physical Review Letters</i> , 2005, 95, 177001.	7.8	297
97	Transport criticality of the first-order Mott transition in the quasi-two-dimensional organic conductor $\hat{\rho}^{\pm}(\text{BEDT}^{\pm}\text{TTF})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Cl}$ . <i>Physical Review B</i> , 2004, 69, .	3.2	124
98	NMR Studies on Two-Dimensional Molecular Conductors and Superconductors: A Mott Transition in $\hat{\rho}^{\pm}(\text{BEDT-TTF})_2\text{X}$ . <i>Chemical Reviews</i> , 2004, 104, 5635-5654.	47.7	132
99	Spin Liquid State in an Organic Mott Insulator with a Triangular Lattice. <i>Physical Review Letters</i> , 2003, 91, 107001.	7.8	1,011
100	Field switching of superconductor-insulator bistability in artificially tuned organics. <i>Physical Review B</i> , 2003, 67, .	3.2	53
101	Spin-Peierls transition of the quasi-one-dimensional electronic system $(\text{DMe}^{\pm}\text{DCNQI})_2\text{M}$ ( $\text{M}=\text{Li}, \text{Ag}$ ) probed by heat capacity. <i>Physical Review B</i> , 2003, 68, .	3.2	23
102	Charge ordering in $\hat{\rho}^{\pm}(\text{BEDT}^{\pm}\text{TTF})_2\text{RbZn}(\text{SCN})_4$ studied by vibrational spectroscopy. <i>Physical Review B</i> , 2002, 65, .	3.2	141
103	Band-Selective NMR of a $\hat{\rho}^{\pm}$ -d Hybridized Electronic System. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 379, 95-100.	0.9	1
104	Proximity of Pseudogapped Superconductor and Commensurate Antiferromagnet in a Quasi-Two-Dimensional Organic System. <i>Physical Review Letters</i> , 2002, 89, 017003.	7.8	89
105	The C=C Stretching Vibrations of $\hat{\rho}^{\pm}(\text{BEDT}^{\pm}\text{TTF})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$ and Its Isotope Analogues. <i>Journal of the Physical Society of Japan</i> , 2001, 70, 3728-3738.	1.6	35
106	Commensurate magnetic structure in $\hat{\rho}^{\pm}(\text{BEDT-TTF})_2\text{X}$ . <i>Physica B: Condensed Matter</i> , 2000, 284-288, 1589-1590.	2.7	14
107	Electronic specific heat at the boundary region of the metal-insulator transition in the two-dimensional electronic system of $\hat{\rho}^{\pm}(\text{BEDT}^{\pm}\text{TTF})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Br}$ . <i>Physical Review B</i> , 2000, 61, R16295-R16298.	3.2	47
108	Charge ordering in a quasi-two-dimensional organic conductor. <i>Physical Review B</i> , 2000, 62, R7679-R7682.	3.2	165

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109	Superconductor-Insulator Transition Controlled by Partial Deuteration in BEDT-TTF Salt. Journal of the American Chemical Society, 1998, 120, 10984-10985.	13.7	49
110	Phase diagram of vortices in the quasi-two-dimensional organic superconductor $(\text{BEDT-TTF})_2\text{NH}_4\text{Hg}(\text{SCN})_4$ : A system of pancake vortices with out-of-plane coupling dominated by the electromagnetic energy. Physical Review B, 1998, 57, 3623-3634.	3.2	10
111	Wigner Crystal Type of Charge Ordering in an Organic Conductor with a Quarter-Filled Band: $(\text{Di-DCNQI})_2\text{Ag}$ . Physical Review Letters, 1998, 80, 4737-4740.	7.8	160
112	High Pressure Structures of Organic Low Dimensional Conductor DCNQI Compounds.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1998, 7, 404-406.	0.0	6
113	Recent progress in NMR studies on organic conductors. , 1997, 104, 235-249.		380
114	Electron correlation, metal-insulator transition and superconductivity in quasi-2D organic systems, $(\text{ET})_2\text{X}$ . Physica C: Superconductivity and Its Applications, 1997, 282-287, 299-302.	1.2	264
115	Electronic structure of insulating salts of the $(\text{BEDT-TTF})_2\text{X}$ family studied by low-temperature specific-heat measurements. Physical Review B, 1996, 53, R8875-R8878.	3.2	41
116	Antiferromagnetic Ordering and Spin Structure in the Organic Conductor, $(\text{BEDT-TTF})_2\text{Cu}[\text{N}(\text{CN})_2]\text{Cl}$ . Physical Review Letters, 1995, 75, 1174-1177.	7.8	260
117	Electron correlation in the $\beta$ -phase family of BEDT-TTF compounds studied by $^{13}\text{C}$ NMR, where BEDT-TTF is bis(ethylenedithio)tetrathiafulvalene. Physical Review B, 1995, 52, 15522-15533.	3.2	124
118	$^{13}\text{C}$ NMR Study of Layered Organic Superconductors Based on BEDT-TTF Molecules. Physical Review Letters, 1995, 74, 3455-3458.	7.8	170